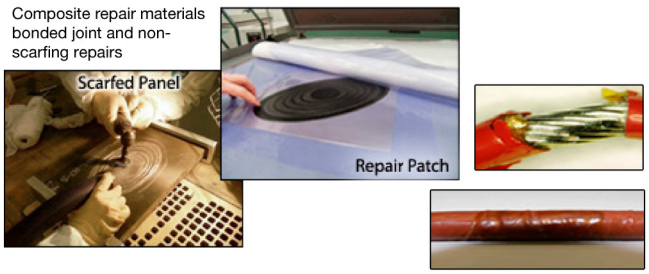
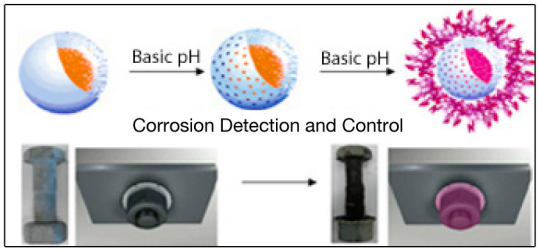
National Aeronautics and Space Administration

Materials for Life Cycle Optimization

NASA KSC is seeking partners in joint technology development projects and technology commercialization in the field of materials for life cycle optimization.





Objective: Develop and commercialize technologies to address NASA's needs and National Priority needs through strategic partnerships with industry, academia, other Government agencies, and national laboratories.

Technology Areas:

- Nondestructive evaluation (NDE) damage detection
- Corrosion detection and control
- Self-repair and self-healing systems
- Thermal insulation materials and systems
- Electrostatic dust mitigation
- Electrostatic dissipative technologies
- Electroactive polymers for lightweight actuators
- Long-life materials for extreme environments
- Flame-retardant polymeric materials
- Polymeric materials with expanded temperature range
- Verification test methods for materials
- Structural health monitoring
- Novel conductive polymeric materials

Technology Capabilities:

- Applied Physics Laboratory
- Polymer Science and Technology Laboratory
- Nondestructive Evaluation Laboratory
- Materials Failure Analysis Laboratory
- Electrostatics and Surface Physics Laboratory
- Electromagnetic Effects Laboratory
- Corrosion Technology Laboratory
- Chemical Test and Analysis Laboratory
- Applied Chemistry Laboratory

Please contact us if you are interested in collaborating with KSC on joint development projects.

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partnerships

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